

# HOSPITAL INFORMATICS SYSTEM

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## ABSTRACT

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The present invention provides a computer-based system for providing decision support in a hospital environment. The computer-based system includes: a plurality of electronic color coded displays comprising data fields wherein the displays are modeled upon or closely depict hospital information formats selected from the list comprising: order forms, patient records, status reports, information screens, medical imaging results or lab results; a plurality of terminals, wherein each terminal has user interactive means for displaying the color coded images for user interaction with the system; biometric means operatively associated with each terminal for efficient identification of the authorized user; computer means enabling images to be accessed in an interactive manner by an authorized user; data storage means; a central data processing system supporting system logic wherein the central data processing system can transfer information between the plurality of terminals and one or more database servers; one or more database servers for transferring information between the data storage means and the central data processing system; and system logic, modeled on hospital procedures, wherein the logic comprises two types of decision support, one that is user interactive and one that functions independently of user commands.